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IN THE UNITED STATES PATENT & TRADEMARK OFFICE

Applicant: Zhouxin Zhang
International Application No.: PCT/CN2005/000377
International Filing Date: 25 March 2005
Title: CONTACT-TYPE SENSOR OF OBJECT
Agent's Reference No.: CNIP-F-PCT-US
Date: 22 September 2006

Mail Stop PCT
 Commissioner for Patents
 P.O. Box 1450
 Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

The present invention relates to a contact-type sensor of an object, which is constructed by placing an elastic light material such as a sponge with certain thickness on the surface of the object and plastic membrane switches which are just like the keyboard of a computer are arranged below the sponge. When a robot equipped with the sensors meets a barrier, the sponge on the surface is pressed and the force can be absorbed by the sponge and transferred to the plastic membrane switches, just as the switches are pressed directly, therefore, the robot can perceive the barrier in one direction.

As authorized and encouraged under 37 C.F.R. §1.97-1.99, applicant hereby cites as a means of complying with the duty of disclosure set forth in 37 C.F.R. §1.56, the following patents and/or documents, required copies enclosed, which the Examiner should consider with respect to the above-identified United States Patent Application:

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U.S. DOCUMENTS		
PATENT/DOCUMENT NO.	DATE	INVENTOR
4,525,606	06/25/1985	Sado
6,530,283	03/11/2003	Okada et al.
FOREIGN DOCUMENTS		
PATENT/DOCUMENT NO.	DATE	COUNTRY
WO 02/073147	09/19/2002	WIPO

In accordance with 37 CFR 1.98(a)(2)(i) only the foreign and non-patent documents are required for the express purpose of providing the Patent and Trademark Office with an ample opportunity to evaluate the same and to arrive at an independent assessment of its materiality, if any, with regard to the examination of the application.

An examination of the present application considering the above documents is requested.

Respectfully submitted,

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